

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-44 (canceled).

45. (New) A method for binding nucleic acids to a solid phase comprising contacting a solution containing nucleic acids with a solid phase which has hydrophobic and hydrophilic groups on its surface, wherein a salt and polyethylene glycol are present in said solution during binding of the nucleic acids to said solid phase and said nucleic acids are reversibly and sequence-unspecifically bound to the surface.

46. (New) The method as claimed in claim 45, wherein said surface has alkyl or aryl groups as hydrophobic groups.

47. (New) The method as claimed in claim 46, wherein the alkyl groups are selected from C<sub>8</sub> alkyl, C<sub>18</sub> alkyl and mixtures thereof.

48. (New) The method as claimed in claim 45, wherein the surface has hydroxyl groups as hydrophilic groups.

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